

## SEQUENCE LISTING

&lt;110&gt; Zhou, Xiao-Mai

<120> COMPOUNDS AND METHODS FOR REGULATING APOPTOSIS,  
AND METHODS OF MAKING AND SCREENING FOR COMPOUNDS  
THAT REGULATE APOPTOSIS

&lt;130&gt; A7483

&lt;140&gt;

&lt;141&gt;

&lt;160&gt; 20

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 168

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ser Ser  
 1 5 10 15

Ser Ala Glu Arg Gly Leu Gly Pro Ser Pro Ala Gly Asp Gly Pro Ser  
 20 25 30

Gly Ser Gly Lys His His Arg Gln Ala Pro Gly Leu Leu Trp Asp Ala  
 35 40 45

Ser His Gln Gln Glu Gln Pro Thr Ser Ser Ser His His Gly Gly Ala  
 50 55 60

Gly Ala Val Glu Ile Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr  
 65 70 75 80

Glu Asp Asp Glu Gly Met Gly Glu Glu Pro Ser Pro Phe Arg Gly Arg  
 85 90 95

Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala Gln Arg Tyr Gly Arg  
 100 105 110

Glu Leu Arg Arg Met Ser Asp Glu Phe Val Asp Ser Phe Lys Lys Gly  
 115 120 125

Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln Met Arg Gln Ser  
 130 135 140

Ser Ser Trp Thr Arg Val Phe Gln Ser Trp Trp Asp Arg Asn Leu Gly  
 145 150 155 160

Arg Gly Ser Ser Ala Pro Ser Gln  
 165



<210> 2  
 <211> 204  
 <212> PRT  
 <213> Mus musculus

<400> 2  
 Met Gly Thr Pro Lys Gln Pro Ser Leu Ala Pro Ala His Ala Leu Gly  
     1                    5                    10                    15  
 Leu Arg Lys Ser Asp Pro Gly Ile Arg Ser Leu Gly Ser Asp Ala Gly  
                     20                    25                    30  
 Gly Arg Arg Trp Arg Pro Ala Ala Gln Ser Met Phe Gln Ile Pro Glu  
                     35                    40                    45  
 Phe Glu Pro Ser Glu Gln Glu Asp Ala Ser Ala Thr Asp Arg Gly Leu  
     50                    55                    60  
 Gly Pro Ser Leu Thr Glu Asp Gln Pro Gly Pro Tyr Leu Ala Pro Gly  
     65                    70                    75                    80  
 Leu Leu Gly Ser Asn Ile His Gln Gln Gly Arg Ala Ala Thr Asn Ser  
                     85                    90                    95  
 His His Gly Gly Ala Gly Ala Met Glu Thr Arg Ser Arg His Ser Ser  
                     100                    105                    110  
 Tyr Pro Ala Gly Thr Glu Glu Asp Glu Gly Met Glu Glu Glu Leu Ser  
     115                    120                    125  
 Pro Phe Arg Gly Arg Ser Arg Ser Ala Pro Pro Asn Leu Trp Ala Ala  
     130                    135                    140  
 Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Phe Glu Gly  
     145                    150                    155                    160  
 Ser Phe Lys Gly Leu Pro Arg Pro Lys Ser Ala Gly Thr Ala Thr Gln  
                     165                    170                    175  
 Met Arg Gln Ser Ala Gly Trp Thr Arg Ile Ile Gln Ser Trp Trp Asp  
                     180                    185                    190  
 Arg Asn Leu Gly Lys Gly Gly Ser Thr Pro Ser Gln  
     195                    200

<210> 3  
 <211> 162  
 <212> PRT  
 <213> Mus musculus

<400> 3  
 Met Phe Gln Ile Pro Glu Phe Glu Pro Ser Glu Gln Glu Asp Ala Ser  
     1                    5                    10                    15  
 Ala Thr Asp Arg Gly Leu Gly Pro Ser Leu Thr Glu Asp Gln Pro Gly  
                     20                    25                    30

```
<210> 4
<211> 26
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: BAD BH3
consensus sequence
```

<400> 4  
Ala Ala Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Phe  
1 5 10 15  
Val Asp Ser Phe Lys Lys Gly Leu Pro Arg  
20 25

```
<210> 5
<211> 26
<212> PRT
<213> Artificial Sequence
```

<220>  
<223> Description of Artificial Sequence: BAK BH3  
consensus sequence

<400> 5  
 Thr Met Gly Gln Val Gly Arg Gln Leu Ala Ile Ile Gly Asp Asp Ile  
           1                  5                  10                  15

Asn Arg Arg Tyr Asp Ser Glu Phe Gln Thr  
           20                          25

<210> 6  
 <211> 26  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: BAX BH3  
           consensus sequence

<400> 6  
 Ser Thr Lys Lys Leu Ser Glu Cys Leu Lys Arg Ile Gly Asp Glu Leu  
       1                          5                          10                          15

Asp Ser Asn Met Glu Leu Gln Arg Met Ile  
                           20                          25

<210> 7  
 <211> 26  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: BIK BH3  
           consensus sequence

<400> 7  
 Gly Ser Asp Ala Leu Ala Leu Arg Leu Ala Cys Ile Gly Asp Glu Met  
       1                          5                          10                          15

Asp Val Ser Leu Arg Ala Pro Arg Leu Ala  
                           20                          25

<210> 8  
 <211> 26  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: BID BH3  
           consensus sequence

<400> 8  
 Ile Ile Arg Asn Ile Ala Arg His Leu Ala Gln Val Gly Asp Ser Met  
       1                          5                          10                          15

Asp Arg Ser Ile Pro Pro Gly Leu Val Asn  
                           20                          25

<210> 9  
 <211> 26  
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: HRK BH3  
consensus sequence

<400> 9

Ala Ala Gln Leu Thr Ala Ala Arg Leu Lys Ala Leu Gly Asp Glu Leu  
1 5 10 15

His Gln Arg Thr Met Trp Arg Arg Ala  
20 25

<210> 10

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: BOK BH3  
consensus sequence

<400> 10

Arg Leu Ala Glu Val Cys Thr Val Leu Leu Arg Leu Gly Asp Glu Leu  
1 5 10 15

Glu Gln Ile Arg Pro Ser Val Tyr Arg Asn  
20 25

<210> 11

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: BIM BH3  
consensus sequence

<400> 11

Pro Glu Ile Trp Ile Ala Gln Glu Leu Arg Arg Ile Gly Asp Glu Phe  
1 5 10 15

Asn Ala Tyr Tyr Ala Arg Arg Val Phe Leu  
20 25

<210> 12

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: BAD primer  
(murine)

<400> 12  
 gcctccagga tccaagatgg gaacc 25  
  
 <210> 13  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: BAD primer  
 (murine)  
  
 <400> 13  
 ggagcgggta gaattccggg atg 23  
  
 <210> 14  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: BAD primer  
 (murine short)  
  
 <400> 14  
 tggagaccag gatcccagag tagct 25  
  
 <210> 15  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Human PKI  
 primer  
  
 <400> 15  
 ctatgtggat ccttggtagc aatg 24  
  
 <210> 16  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Human PKI  
 primer  
  
 <400> 16  
 cctcatagac cttaagtaaa caaa 24  
  
 <210> 17  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 17

Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Ser Val Asp  
 1 5 10 15

Ser Phe

<210> 18

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antibody  
 generating phosphopeptide

<400> 18

Gly Cys Gln Arg Tyr Gly Arg Glu Leu Arg Arg Met Ser Asp Glu Ser  
 1 5 10 15

Val Asp Ser Phe  
 20

<210> 19

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ST-kinase  
 recognition motif

<400> 19

Leu Arg Arg Met Ser Asp  
 1 5

<210> 20

<211> 12

<212> PRT

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence: Tat polypeptide

<400> 20

Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Gly  
 1 5 10